

Appl. No. : 09/555,951
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AMENDMENTS TO THE CLAIMS

Claims 1-22: canceled

23. (currently amended) A method of providing a mailbox answerphone service to a caller in a mobile communications system during a call directed to a directory number used commonly by different subscribers to access their mailboxes, wherein the answerphone service is located in a first network and is responsive to calls originating from within the first network and from within a second network connected to the first network via international telecommunications links, the method comprising:

providing an identification code identifying a mailbox associated with a subscriber through an answerphone service; and

entering either a first mode of answerphone operation for a call originating from within the first network or and a second, different, mode of answerphone operation for a call originating from within the second network, wherein the answerphone service enters either the first or the second mode of operation in dependence on information received during call establishment indicating whether the call is of international origin.

24. (previously added) The method according to Claim 23, further comprising in said first mode of operation, if the call is not diverted, providing a message retrieval service, and if the call is diverted, providing a message deposit service.

25. (previously added) The method according to Claim 24, further comprising determining whether the call is diverted using information received during call establishment.

26. (previously added) The method according to Claim 23, further comprising providing in said second mode of operation either a message deposit service or a message retrieve service in dependence of a receipt of a selection indicator from said caller during the call.

27. (previously added) The method according to Claim 26, further comprising in said second mode prompting said caller, after inputting said identification code during the call, for a voice message to be received and stored, and providing said message retrieve service if said indicator is received from said user.

28. (previously added) The method according to Claim 26, wherein said indicator comprises a DTMF tone.

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29. (previously added) The method according to Claim 23, further comprising prompting said caller for said identification code if said identification code is otherwise not associated with the call when received.

30. (previously added) The method according to Claim 23, wherein said identification code corresponds to a directory number of said subscriber.

31. (previously added) The method according to Claim 23, further comprising identifying a call of international origin through an international origin indicator in signaling associated with the call.

32. (previously added) A method of providing a mailbox answerphone service to a caller in a mobile communications system during a call directed to a directory number used commonly by different subscribers to access their mailboxes~~The method according to Claim 23;~~
further comprising:

providing an identification code identifying a mailbox associated with a subscriber through an answerphone service; and

entering either a first mode of answerphone operation or a second, different mode of answerphone operation in dependence on information received during call establishment indicating whether the call is of international origin;

associating the call with a divert flag, a calling line identity (CLI) signal, and an international origin indicator;

setting said divert flag if the call is diverted from a mobile station to said apparatus and said mobile station is located within a coverage area of said mobile communications system;

associating said CLI signal with the call if the call originates or is diverted from a mobile station within said coverage area and said mobile station is preset to transmit said CLI signal; and

associating said international origin indicator with the call if the call originates or is diverted from a mobile station and said mobile station is used at a location causing said international origin indicator to be sent to said mobile communications system during call establishment.

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33. (previously added) The method according to Claim 32, further comprising providing a message deposit service to said caller if said divert flag is set, and prompting in said message deposit service said caller for a voice message to be received and stored.

34. (previously added) The method according to Claim 32, further comprising providing a message retrieve service to said caller if said divert flag is not set and said CLI is associated with the call, or said divert flag is not set, said CLI signal is not associated with the call, and identification code is received from said caller during the call, and in said retrieve service a stored voice message is retrieved and provided to said caller.

35. (currently amended) A method of providing a mailbox answerphone service to a caller in a mobile communications system during a call directed to a directory number used commonly by different subscribers to access their mailboxes, wherein the answerphone service is located in a first network and is responsive to calls originating from within the first network and from within a second network connected to the first network via international links, wherein the answerphone service is configured to enter a first mode of answerphone operation for a call originating from within the first network and a second, different mode of answerphone operation for a call originating from within the second network, the method comprising:

identifying, through an answerphone service, a mailbox associated with a subscriber identification code; and

~~automatically entering either a first mode of answerphone operation if the call is of national origin or a second, different mode of answerphone operation if the call is of international origin~~
entering either the first or the second mode of answerphone operation in dependence on information received during call establishment indicating whether the call is of international origin.

36. (previously presented) The method according to Claim 35, further comprising deriving the origin of the call using information received during call establishment.

37. (previously presented) The method according to Claim 35, further comprising using said common directory number by all subscribers to access said answerphone service.

Claims 38-41: canceled

42. (currently amended) A voice processing system for a mobile communications system, wherein the voice processing system is located in a first network and is responsive to calls originating from within the first network and from within a second network connected to

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the first network by international telecommunications links, wherein the voice processing system is configured to enter a first mode of answerphone operation for a call originating from within the first network and a second, different mode of answerphone operation in response to a call originating from within the second network, wherein the voice processing system is adapted to identify a mailbox associated with a subscriber by way of an identification code processed through an answerphone service, and to enter either a the first mode of answerphone operation or a the second, different, mode of answerphone operation in dependence on information received during call establishment indicating whether the call is of international origin.

Claims 43-44: canceled